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Hoya K, 1989
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Iannuzzi A, 1953
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Jarvik JG, 1832
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Jeret JS, 1936
Jerntorp I, 1098
Jiang W, 1201
Joakimsen O, 1960
Jobert A, 2049
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Kaarsalo E, 1492
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Kitadai M, 1539
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Koton S, 1984
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Koyama J, 1567
Koziol D, 855, 1966
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Matsui R, 817
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Millikan CH, 3
Milot G, 1998
Mima T, 2597
Minami M, 1028
Mirski MA, 2005
Mitsias P, 950
Mitsumori K, 2110
Mittleman MA, 1939
Miura M, 1116
Miyagi Y, 516
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Miyata T, 1890
Mizuno Y, 1481
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Mukamal KJ, 1939
Mukherjee D, 1447
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Razumovsky AY, 2005
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Sacchetti L, 1953
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